CLAIMS

1. A method for assembling a drum (2) built up of segments (7.1, ... 7.4) forming part of an axle (1) for a brush roller, **characterized** in

a) that each segment (7.1, ... 7.4) is brought into alignment by the edge portion (42, 43, respectively) of a first shoulder (35) and/or a second shoulder (36) being brought into contact with the second (41) or first (40) contact surface of an adjacent segment (7.1, ... 7.4);

b) that through-holes (45, 46) are drilled in radial direction through a first (35) and a second shoulder (36) in each segment (7.1, ... 7.4), one of said holes also being threaded;

c) that two (45, 46) or more holes (45, 46) are drilled in axial direction in each shoulder at equal or different distances from each other;

d) that an attachment element (47) is arranged at each hole (45, 46).

2. A method as claimed in claim 1, **characterized** in that a plate (50) with a shaft end (3, 4) is arranged at each end (22) of the drum (2).

3. A drum (2) for a brush roller, said drum (2) being built up of at least two segments (7.1, ... 7.4), each of which is provided at its upper side (8) with two or more, preferably four, protruding beams (9.1, ... 9.4), a U-shaped channel (10.2) being arranged between two adjacent beams (9.1, 9.2), and the drum (2) being arranged to rotate about its axis (12) by means of torque-transmitting means (50) connected to the drum (2), **characterized** in that each segment (7.1, ... 7.4) in the drum (2) is constructed with double walls with a rigidity sufficient for the assembled segments (7.1, ... 7.4) to form a fully self-supporting drum (2).

4. A drum as claimed in claim 3, **characterized** in that each segment (7.1, ... 7.4) is constructed with reinforcing spacers (60) between the double walls.

5. A drum as claimed in any one of claims 3-4, **characterized** in that congruence exists between at least two of the segments (7.1, ... 7.4) comprising the drum (2).

6. A drum as claimed in any one of claims 3-5, **characterized** in that the segments (7.1, ... 7.4) define an outer arc shape (28A).

7. A drum as claimed in any one of claims 3-6, **characterized** in that each segment (7.1, ... 7.4), in cross section, shows a first edge part (42) with a first shoulder (35) and a second edge part (43) with a second shoulder (36), the upper side (37) of the first shoulder (35) and the lower side (38) of the second shoulder (36) exhibiting a flat surface.

8. A drum as claimed in claim 7, **characterized** in that between two adjacent segments (7.1, 7.2), the flat surface of the lower side (38) of the second shoulder (36) of a first segment (7.1) is in contact with the flat surface of the upper side (37) of the first shoulder (35) of a second segment (7.2).

9. A drum as claimed in any one of claims 3-8, **characterized** in that the segments (7.1, ... 7.4) consist of extruded aluminium sections (7.1, ... 7.4).

10. A drum as claimed in any one of claims 3-9, **characterized** in that the number of segments (7.1, ... 7.4) in the drum (2) is an even number, e.g. 2, 4, 6 or 8.

11. A drum as claimed in any one of claims 3-10, **characterized** in that the drum (2) per se consists of two or more, preferably four longish segments (7.1, ... 7.4), of identical length, of extruded sections (7.1, ... 7.4), each segment (7.1, ... 7.4) exhibiting an outer arc form (28A).

12. An axle (1) for a brush roller, **characterized** in that the axle (1) consists of a drum (2) as claimed in any one of claims 3-11, which is arranged between two shaft ends (3, 4), each shaft end (3, 4) being connected to a torque-transmitting plate (50) arranged concentrically in relation to and connected to the end part (22) of the drum (2).